EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	158	((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO)same port)	US-PGPUB; USPAT	OR	ON	2006/12/10 10:52
L2	6	(((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO)same port)) and (re adj transmit$4)	US-PGPUB; USPAT	OR	ON	2006/12/10 11:02
L3	7	(((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO)same port)) and (re adj transmi$6)	US-PGPUB; USPAT	OR	ON	2006/12/10 11:04
L4	70	((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (controller or processor or processing)) and ((output or egress) same (buffer or queue or FIFO)same port) and (re adj transmi$6)	US-PGPUB; USPAT	OR	ON	2006/12/10 11:07
L5	15	((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (controller or processor or processing)) and ((output or egress) same (buffer or queue or FIFO)same port) and ((re adj transmi$6) same (discard$4 or drop$4))	US-PGPUB; USPAT	OR	ON	2006/12/10 11:13
L6	176	(input or ingress) same (buffer or queue or fifo) same ((re adj transmi$6) or (re adj send))	US-PGPUB; USPAT	OR	ON	2006/12/10 11:15
L7	20	((input or ingress) same (buffer or queue or fifo) same ((re adj transmi$6) or (re adj send))) and crossbar	US-PGPUB; USPAT	OR	ON	2006/12/10 11:18

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	73	(((input or ingress) same (buffer or queue or FIFO) same port) and (switch same (buffer or queue or FIFO)) and ((output or egress) same (buffer or queue or FIFO)same port)) and ((re adj (transmi$6 or send$4)) same (discard$4 or drop$4)) and (@rlad<"20020109" or @ad<"20020109")	US-PGPUB; USPAT	OR	ON	2006/12/10 11:48
L16	36	((((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO)same port)) and selector) and (@rlad<"20020109" or @ad<"20020109")	US-PGPUB; USPAT	OR	ON	2006/12/10 12:09

L8	48	(((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO)same port)) and selector	US-PGPUB; USPAT	OR	ON	2006/12/10 11:18
L9	18	(((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO)same port)) and (input same (buffer or queue or fifo) same selectors)	US-PGPUB; USPAT	OR	ON	2006/12/10 11:24

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	263	(schedul$5 and (input or ingress) and (egress or output) and interface and (pair or two or dual) and control$5 and stor$5 and (signal or message or frame or data)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 11:37
L11	277	(schedul$5 and (input or ingress) and (egress or output) and interfac$5 and (pair or two or dual) and control$5 and stor$5).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 11:37
L12	20	(schedul$5 and (input or ingress) and (egress or output) and interface and (pair or two or dual) and control$5 and stor$5 and (signal or message or frame or data) and (replac$5 or overwrit$5)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 11:38
L13	17	(schedul$5 and (input or ingress) and (egress or output) and interface and (pair or two or dual) and control$5 and stor$5 and (signal or message or frame or data) and (replac$5)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 11:42
L14	270	(schedul$5 and (input or ingress) and (egress or output) and interfac$5 and (pair or two or dual) and control$5 and stor$5 and (signal or message or frame or data)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 11:44

Google Scholar BETA

overflow retransmit buffer crossbar OR crossp| | | - 2001   [Search]   Advanced Scholar Searc
Scholar Preferences
Scholar Help

Scholar All articles Recent articles Results **1 - 86** of **86** for <u>overflow</u> retransmit <u>buffer</u> <u>crossbar</u> OR crosspoint. (0.25 sec

All Results

<u>R Bhoedjang</u>
<u>H Bal</u>
<u>T Lee</u>
<u>T Ruhl</u>
<u>T Rühl</u>

Did you mean: <u>overflow retransmit ***buffered*** crossbar OR crosspoint</u>

<u>Measurements in switched Ethernet networks used for automationsystems</u> - <u>group of 3 »</u>
E Vonnahme, S Ruping, U Ruckert - Factory Communication Systems, 2000. Proceedings. 2000 IEEE ...,
2000 - ieeexplore.ieee.org
... get lost when there is a **buffer overflow** in a ... have to be stored until the **retransmission**
succeeds ... Without **buffer**- ing packets (Cut-Through-Switches) data can be ...
<u>Cited by 6</u> - <u>Related Articles</u> - <u>Web Search</u>

<u>TORUS: terabit-per-second ATM switching system architecture basedon distributed internal speed-up ...</u> - <u>group of 2 »</u>
K Genda, N Yamanaka - Selected Areas in Communications, IEEE Journal on, 1997 - ieeexplore.ieee.org
... In the bufferless **crossbar**-type switch, cells are ... Notice that the **retransmission**
mechanism is so simple ... offered load under which input-**buffer overflow** does not ...
<u>Cited by 9</u> - <u>Related Articles</u> - <u>Web Search</u>

<u>User-level network interface protocols</u> - <u>group of 5 »</u>
RAF Bhoedjang, T Ruhl, HE Bal - Computer, 1998 - ieeexplore.ieee.org
... be solved by recovering from **buffer overflow** or preventing ... and Trapeze, or implement
a **retransmission** protocol on ... RECOVERING FROM **OVERFLOW** In PM, which assumes ...
<u>Cited by 109</u> - <u>Related Articles</u> - <u>Web Search</u> - <u>BL Direct</u>

[PS] <u>Switcherland–An Interconnect for Workstations</u> - <u>group of 6 »</u>
E Oertli, H Eberle - Proc. of the 21st EUROMICRO Conference. IEEE, 1995 - cs.inf.ethz.ch
... To prevent **buffer overflow**, **buffer** space is reserved in all ... issued the failed request
or **retransmission** of the ... is a **crossbar** switch, disk, or frame **buffer**. ...
<u>Cited by 4</u> - <u>Related Articles</u> - <u>View as HTML</u> - <u>Web Search</u>

<u>A workstation interconnect supporting time-dependent datatransmission</u>
H Eberle - Multimedia Communications, 1994. MULTIMEDIA'94., 5th IEEE ..., 1994 - ieeexplore.ieee.org
... the loss and, with it, the **retransmission** of cells ... dropped by a switch due to **buffer**
overflow, assuming that ... a time.division multiplexed bus into **buffer** memory. ...
<u>Cited by 2</u> - <u>Related Articles</u> - <u>Web Search</u>

<u>Design and implementation of Abacus switch: a scalable multicastATM switch</u> - <u>group of 9 »</u>
HJ Chao, BS Choe, JS Park, N Uzun - Selected Areas in Communications, IEEE Journal on, 1997 -
ieeexplore.ieee.org
... routed to RM's 1 and , but discarded in RM 3 and will **retransmit** in the next ... During
retransmission, it is written back to the one-cell **buffer** in case it ...
<u>Cited by 15</u> - <u>Related Articles</u> - <u>Web Search</u> - <u>BL Direct</u>

[PS] <u>Design and Evaluation of ParaStation2</u> - <u>group of 8 »</u>
TM Warschko, JM Blum, WF Tichy - Proceedings of the International Workshop on Distributed ..., 1998 -
ipd.uka.de
... This **RETRANSMIT** { INTRANSIT cycle may happen ... does not need sequence checking; the
associated buer is marked for **retransmission** as long ... prevent **buffer overflow** ...
<u>Cited by 5</u> - <u>Related Articles</u> - <u>View as HTML</u> - <u>Web Search</u> - <u>BL Direct</u>

[PS] <u>A Modular VLSI Implementation Architecture for Communication Subsystems</u> - <u>group of 4 »</u>
T Braun, J Schiller, M Zitterbart - 4th IFIP Workshop on Protocols for High-Speed Networks, ..., 1994 -
iam.unibe.ch
... The sender has to re- transmit the bytes indicated by a gap if ... 5.2 Operations of

the **Retransmission** ALU ... flag if it failed due to memory **overflow** or violation ...
Cited by 4 - Related Articles - View as HTML - Web Search

A network switch for supporting high-performance parallel processing by computers distributed in ... - group of 2 »
H Nishi, K Tasho, T Kudoh, H Amano - Systems and Computers in Japan, 2001 - doi.wiley.com
... Thus, mechanisms such as error checking or **retransmission** become necessary ... side 2
Ps prior to the **overflow** of the ... sent to the LEB (last end **buffer**) module via ...
Related Articles - Web Search - BL Direct

Dynamically-allocated multi-queue buffers for VLSI communicationswitches - group of 6 »
Y Tamir, GL Frazier - Computers, IEEE Transactions on, 1992 - ieeexplore.ieee.org
... in order to achieve the same probability of **buffer overflow**. ... The acknowledgment and
retransmission can be done either on ... packet can be read from a **buffer** al a ...
Cited by 90 - Related Articles - Web Search - Library Search - BL Direct

Nonblocking copy networks for multicast packet switching - group of 5 »
TT Lee, BC Res, NJ Morristown - Selected Areas in Communications, IEEE Journal on, 1988 -
ieeexplore.ieee.org
... Sec- tion VI is devoted to the estimation of **overflow** probabil- ities
of the inputs of copy network by means of Chernoff bound. ...
Cited by 166 - Related Articles - Web Search

A virtual bus architecture for dynamic parallel processing - group of 9 »
KC Lee - Parallel and Distributed Systems, IEEE Transactions on, 1993 - ieeexplore.ieee.org
... when the size of the queue is larger than the available **buffer** sizes. ... to achieve
the same level of throughput, an H-bit wide parallel **crossbar** switch will only ...
Related Articles - Web Search

[BOOK] Design Issues for User-level Network Interface Protocols on Myrinet - group of 5 »
R Bhoedjang, T Rühl, HE Bal - 1998 - cs.cornell.edu
... To avoid host **buffer overflow**, LFC implements additional flow ... face or implement a
retransmission protocol ... eg, MPI, TCP) are supposed to **retransmit** lost messages ...
Cited by 16 - Related Articles - View as HTML - Web Search - Library Search

[BOOK] QoS Provisioning in Clusters: An Investigation of Router and NIC Design - group of 13 »
KH Yum, EJ Kim, CR Das - 2001 - Pennsylvania State University, Dept. of Computer Science and ...
... later for making a dummy header for the **retransmission** of m1 ... maining flits of m1
between the flit decoder **buffer** and the input port of the **crossbar** as shown ...
Cited by 13 - Related Articles - Web Search - Library Search - BL Direct

Virtual network transport protocols for Myrinet - group of 15 »
BN Chun, AM Mainwaring, DE Culler - Micro, IEEE, 1998 - ieeexplore.ieee.org
... When **buffer overflow** occurs, the protocol drops packets and ... determines how packet
retransmission events are ... are periodically scanned for packets to **retransmit**. ...
Cited by 98 - Related Articles - Web Search - Library Search - BL Direct

ATM Architectures Using Optical Technology: An Overview of Switching, Buffering and - group of 3 »
M Guizani - INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT, 1997 - doi.wiley.com
... (2) Crosspoint **buffer** switches ... Output **buffer** switches offer great application ... No
retransmission for lost or erroneous cells is performed at this layer. ...
Related Articles - Web Search - BL Direct

RAMP: a reliable adaptive multicast protocol - group of 3 »
A Koifman, S Zabele, R TASC - INFOCOM'96. Fifteenth Annual Joint Conference of the IEEE ..., 1996 -
ieeexplore.ieee.org
... both latency and the likelihood of **buffer overflow**. ... due to receiver errors and **buffer**
oveiflows. ... are necessarily correlated, and **retransmission** using multicast ...
Cited by 76 - Related Articles - Web Search - BL Direct

Issues in designing truly scalable interconnection networks

LM Ni - Parallel Processing, 1996. Proceedings of the 1996 ICPP ..., 1996 - ieeexplore.ieee.org
... In Convex Exemplar, each node is a **crossbar** network with 8 proc- essors and the ... 362
Buffer Capacity and Organization Most of cut-through switches support input ...
Cited by 11 - Related Articles - Web Search

Solution for packet switching of broadband ISDN - group of 2 »

CM Weng, JJ Li - Communications, Speech and Vision, IEE Proceedings I, 1991 - ieeexplore.ieee.org
... **Buffer overflow** only occurs when all L buffers are full. ... in the sense that one of
the contention packets always survives, a simple **retransmission** algorithm is ...
Cited by 1 - Related Articles - Web Search

Performance of a High-Level Parallel Language on a High-Speed Network - group of 7 »

HE Bal, R Bhoedjang, RFH Hofman, CJH Jacobs, K ... - Journal of Parallel and Distributed Computing, 1997
- cs.cornell.edu
... Receive queue Forwarding multicast fragment **crossbar** switch ... can be solved using a
flow control mechanism that prevents **buffer overflow**, just as for FM point-to ...
Cited by 29 - Related Articles - View as HTML - Web Search - Library Search - BL Direct

Processing and nonprocessing satellite architectures for support ofATM traffic

BA Pontano, D Chitre, L White, T Henderson, K ... - Military Communications Conference, 1993. MILCOM'93.
..., 1993 - ieeexplore.ieee.org
... al- though the satellite switch architecture is self-routing, 930750 some amount
of flow control must be maintained by the network to avoid **buffer overflow**. ...
Cited by 3 - Related Articles - Web Search - BL Direct

Enabling High Bandwidth Applications by High-Performance Multicast Transfer Protocol Processing - group of 5 »

G Carle, J Schiller - 6 thIFIP Conference on Performance of Computer Networks, ..., 1995 - www-
ri.informatik.uni-tuebingen.de
... delay products do not lead to high **buffer** requirements. ... if it failed due to memory
overflow or violation ... ATM access and com- ponents for **retransmission** support ...
Cited by 10 - Related Articles - View as HTML - Web Search

Modelling and simulating the ATLAS Trigger/DAQ system with SCI - group of 3 »

B Wu, B Skaali, A Bogaerts - Nuclear Science, IEEE Transactions on, 1996 - ieeexplore.ieee.org
... it was rejected due to queue **overflow** or transmission ... A **retransmission** will happen
if the sending was ... the overall performance such as T2 **buffer** occupancy and ...
Related Articles - Web Search - BL Direct

Efficient multicast on Myrinet using link-level flow control - group of 7 »

RAF Bhoedjang, T Ruhl, HE Bal - Parallel Processing, 1998. Proceedings. 1998 International ..., 1998 -
ieeexplore.ieee.org
... special mechanism to deal with **buffer overflow** on NIs ... hardware by avoiding receiver
buffer over- runs ... senders need not bufferpackets for **retransmission**, nor need ...
Cited by 50 - Related Articles - Web Search

Flow control in the high-speed Thunder and Lightning ATM network - group of 3 »

MD Santos, PM Melliar-Smith, LE Moser - Computer Communications, 2000 - Elsevier
... that no cells will be lost due to **buffer overflow**. ... output port, the speed at which
each **buffer** must operate ... delay is incurred before the **retransmission** can be ...
Cited by 7 - Related Articles - Web Search

SCI implementation study for LHCb Data Acquisition

H Muller - report, LHCb-98-030, 1998 - hmuller.home.cern.ch
... Read Prefetch: • -**Buffer** enables high read through- put ... as thesis (Ref 5). New
commercial SCI switches are based on internal **crossbar** link technology ...
Cited by 2 - Related Articles - View as HTML - Web Search

Modular VLSI Implementation Architecture For The Scalable Provision Of High-Performance Multimedia ...

G Carle, J Schiller - Architecture and Implementation of High Performance ..., 1995 - ieeexplore.ieee.org

... For example, selective **retransmission** is provided by a dedicated VLSI component. ...
which causes high speed networks to discard packets is **buffer overflow** due to ...
Cited by 3 - Related Articles - Web Search

Time Constrained Communication over Switched Ethernet - group of 2 »
Y Song - 4th IFAC International Conference on Fieldbus Systems and ..., 2001 - loria.fr
... adopt various internal architectures like **crossbar** or Banyan ... waits a random delay
before to **retransmit**. ... architecture is the output **buffer overflow** when many ...
Cited by 18 - Related Articles - View as HTML - Web Search

High performance communication for MIMD supercomputers
J Gries, A Hahlweg, R Harneit, A Kern, HC Zeidler - Proceedings of the 5th international conference on ...,
1991 - portal.acm.org
... On the other hand, very general networks like a **crossbar** switch are too ... cle the contents
of the send **buffer** can be written into ... To avoid a memory **overflow**, a ...
Related Articles - Web Search

S-Connect: from networks of workstations to supercomputerperformance - group of 4 »
AG Nowatzyk, MC Browne, EJ Kelly, M Parkin - Computer Architecture, 1995. Proceedings. 22nd Annual ...,
1995 - ieeexplore.ieee.org
... bar switch assumes input buffering while the **buffer** pooi is essentially equivalent
to an input- and output-buffered **crossbar** with zero **buffer** transfer times. ...
Cited by 50 - Related Articles - Web Search - BL Direct

[PS] A scalable interconnect for distributed multimedia systems
H Eberle - 2nd IASTED-ISMM International Conference on Distributed ..., 1995 - inf.ethz.ch
... the nodes from loosing VBR cells due to **buffer overflow**. ... appropriate actions such
as the **retransmission** of the ... time-division multiplexed bus into **buffer** memory ...
Cited by 1 - Related Articles - View as HTML - Web Search

[PS] Switcherland-A Scalable Interconnection Structure for Distributed Computing - group of 5 »
H Eberle - 3rd International Conference of the Austrian Center for ..., 1996 - cs.inf.ethz.ch
... the nodes from loosing VBR cells due to **buffer overflow**. ... the appropriate actions
such as the **retransmission** of the ... bandwidth b and an output **buffer** needs to ...
Cited by 4 - Related Articles - View as HTML - Web Search - BL Direct

Advanced DSP Architectures using ANSI Standard Interconnects; FPDP, Serial FPDP, Raceway, and Fibre ... - group of 3 »
T Bohman, I VMETRO - DEDICATED SYSTEMS MAGAZINE, 2000 - omimo.be
... SUSP Indicates pending **buffer overflow** 16 clocks ... Figure 6. Serial FPDP FMC & **Crossbar**
Matrix Switch ... switch is employed to replicate and **retransmit** the Serial ...
Related Articles - View as HTML - Web Search - BL Direct

Analysis of a discrete-time G [X]/D/1-S queueing systemwith applications in packet-switching systems
P Tran-Gia, H Ahmadi - INFOCOM'88. Networks: Evolution or Revolution? Proceedings. ..., 1988 -
ieeexplore.ieee.org
... Because of the limited queue size, **overflow** can occur ... to approximate a finite capacity
buffer with a ... including other factors such as **retransmission** time arising ...
Related Articles - Web Search

A high performance copy network for B-ISDN
CL Tarng, JS Meditch, TC Syst, WA Bellevue - INFOCOM'91. Proceedings. Tenth Annual Joint Conference of
..., 1991 - ieeexplore.ieee.org
... given in [2] to esti- mate the **overflow** probabilities of ... and the control protocol
for the **retransmission** of blocked ... and sends packets to the receive **buffer** (RB ...
Cited by 7 - Related Articles - Web Search

Analyzing communication latency using the Nectar communication processor - group of 21 »
P Steenkiste - Applications, Technologies, Architectures, and Protocols for ..., 1992 - portal.acm.org

... We study how much context switching, **buffer** management and ... consists of a high-bandwidth
crosspoint network (Figure ... and restored on window **overflow** and underflow ...
Cited by 15 - Related Articles - Web Search - BL Direct

IP router architectures: an overview - group of 17 »
J Aweya - International Journal of Communication Systems, 2001 - ccse.kfupm.edu.sa
... 8 **overflow** or for their lookup to become slower than the ... is in effect a switch (eg,
shared memory, **crossbar**, ... with appropriate processing power and **buffer** space ...
Cited by 24 - Related Articles - View as HTML - Web Search - BL Direct

Design and analysis of high performance multistage interconnectionnetworks - group of 4 »
SK Bhogavilli, H Abu-Amara - Computers, IEEE Transactions on, 1997 - ieeexplore.ieee.org
... greater than some fixed value due to **buffer overflow** [18]. ... BM of stage (k + 1) when
a **buffer** space is ... were in fact accepted, such a **retransmission** would result ...
Cited by 3 - Related Articles - Web Search - Library Search - BL Direct

Per Virtual Circuit Credit Based Flow Control On A Wide Area ATM Network - group of 2 »
SW Seetharam - 1994 - members.tripod.com
... data) due to **buffer overflow**. ... that Flow Control requires a very bare minimum amount
of **buffer** space ... aspects such as cell loss, packet **retransmission**, and delay ...
Related Articles - View as HTML - Web Search - Library Search

Weighted round-robin cell multiplexing in a general-purpose ATMswitch chip - group of 3 »
M Katevenis, S Sidiropoulos, C Courcoubetis - Selected Areas in Communications, IEEE Journal on, 1991 -
ieeexplore.ieee.org
... packets than to drop them and later **retransmit** them. ... time room is made in a local
buffer for more ... This guarantees that buffers will never **overflow** and packets ...
Cited by 194 - Related Articles - Web Search

Multicasting at the Host Interface Level in Wormhole Networks - group of 9 »
C Casetti, E Leonardi, F Neri, C Anglano - Network Protocols, 1998. Proceedings. Sixth International ..., 1998
- doi.ieeecomputersociety.org
... order to avoid packet losses due to **buffer overflow**. ... 6], combines restricted routing
and **buffer** par- tition ... worm repli- cation and **retransmission** entirely in ...
Related Articles - Web Search

The network architecture of the Connection Machine CM-5 (extended abstract) - group of 14 »
CE Leiserson, DS Wells, MC Wong, SW Yang, R Zak, ... - Proceedings of the fourth annual ACM symposium
on Parallel ..., 1992 - portal.acm.org
Page 1. The Network Architecture of the Connection Machine CM-5 (Extended
Abstract) Charles E. Leiserson,* Zahi S. Abuhamdeh, David ...
Cited by 343 - Related Articles - Web Search - BL Direct

A Modular Architecture for Very Large Packet Switches - group of 2 »
TT LEE - IEEE TRANSACTIONS ON COMMUNICATIONS, 1990 - ieeexplore.ieee.org
... The cross interconnection of M binary trees and K banyan net- works is similar
to the link system of a multistage **crossbar** switch. ...
Cited by 59 - Related Articles - Web Search

METANET: principles of an arbitrary topology LAN - group of 2 »
Y Ofek, M Yung - IEEE/ACM Transactions on Networking (TON), 1995 - portal.acm.org
... that should be sent over a busy link this packet will be stored in the link **buffer**
(LB). ... This property is easy to implement if a "**crossbar** switch" is used. ...
Cited by 13 - Related Articles - Web Search

SXmin: a self-routing high-performance ATM packet switch based ongroup-knockout principle - group of 6 »
R Kannan, R Bartos, KY Lee, HF Jordan - Communications, IEEE Transactions on, 1997 -
ieeexplore.ieee.org
... **Retransmission** of packets lost in the network (either due to ... up the operation of
each individual output **buffer** by a ... scheme when there is packet **overflow** at any ...

A Conflict Sense Routing Protocol and Its Performance for Hypercubes - group of 7 »

EA Varvarigos, DP Bertsekas - IEEE Transactions on Computers, 1996 - dspace.mit.edu
... when the **buffer** space per node is limited and packets must occasionally be dropped. ...
links and the **buffer** space are used on a demand basis. ...

[PS] Performance Optimizations of Switched SCI-Rings

H Richter, M Liebhart - Proc. 11th Annual Intern. Symp. on High Performance ..., 1997 - sci.web.cern.ch
... by the receiver, due to queue **overflow** or other ... Of course, the sender should **retransmit**
the packet as a ... if a delay time for the **retransmission** of rejected SCI ...

TOWARD THE DESIGN OF LARGE-SCALE, SHARED-MEMORY MULTIPROCESSORS - group of 5 »

SLEE SCOTT - 1992 - citeseer.csail.mit.edu
... A full **crossbar** interconnect, for instance, requires O(N 2) switching elements. ...
2). By this measure, a full **crossbar** is not considered scalable. ...

[BOOK] Using Broadcasting to Implement Distributed Shared Memory Efficiently - group of 6 »

S Tanenbaum, MF Kaashoek, HE Bal - 1990 - pdos.lcs.mit.edu
... However, here too, **overflow** is still a possibility ... to the sequencer asking for a
private **retransmission** of the ... missing message from its history **buffer** and sends ...

COMMUNICATION MECHANISMS IN SHARED MEMORY MULTIPROCESSORS - group of 4 »

GT Byrd - 1998 - citeseer.csail.mit.edu
... tion, data transfer, and hardware-assisted **buffer** management. ... 3.4.5 **Overflow** or
acknowledgements ... max [99], Sequent Symmetry [68]), **crossbar** (C.mmp [69], S-1 [98 ...

Performance Enhancements for HPVM in Multi-Network and Heterogeneous Hardware - group of 5 »

G Bruno, A Chien, M Katz, P Papadopoulos - Proceedings of PDC annual conference, December, 1999 - www-csag.ucsd.edu
... eliminate the software overhead of timeout/**retransmission** strategies ... of two removes
any length **overflow** checks on ... the receive queue is a ring **buffer** of indices ...

Performance Evaluat ion of Multimedia Satellite Communications Systems Using On-board Packet ...

TH Bui - 1998 - collectionscanada.ca
... (b) shared-ring . . . . . A **crossbar**-based switch A Knockout switch . . . .

Information theory and communication networks: an unconsummatedunion - group of 9 »

A Ephremides, B Hajek - Information Theory, IEEE Transactions on, 1998 - ieeexplore.ieee.org
... the data, or to warn the low side client to slow down because the **buffer** is nearly
full, or to notify the low side client that the **buffer** did **overflow** and drop ...

A bibliography of ATM related papers

RO Onvural, HG Perros, G Pujolle - Annals of Operations Research, 1994 - Springer
... BT Doshi et al., **Retransmission** protocols and flow ... BG Haskell, **Buffer** and channel
sharing by several ... interrupted Poisson process as an **overflow** process, Bell ...

[BOOK] Sun Performance and Tuning: Java and the Internet - group of 2 »
A Cockcroft, R Pettit, S Microsystems - 1998 - books.google.com
... Large Transfer **Retransmit** Problems 76 Increased Minimum **Retransmit** Time-out 78 ... 289
The Gigaplane XB **Crossbar** 289 ... mode Cache 308 UFS Metadata **Buffer** Cache 309 ...
Cited by 19 - Related Articles - Web Search - Library Search

Fair ATM Charging with Consideration of Traffic Characteristics and QoS Parameters - group of 5 »
G Carle, T Schmidt, J Seitz - IEE Colloquium on" Charging for ATM", London, UK, November, 1996 - www-ri.informatik.uni-tuebingen.de
... Cost for **retransmission** may be set to zero, or ... Attached to the central **crossbar** of
the GAPPU, the ... and errors caused by end-systems (**buffer overflow** etc.), by ...
Cited by 5 - Related Articles - View as HTML - Web Search - BL Direct

Ada Th
I Route, H Router, HH Router - IEEE Communications Magazine, 1992 - ieeexplore.ieee.org
... Whenever net- work congestion causes packet loss, the file sys- tem will **retransmit**
the lost packets regardless of the degree of congestion. ...
Related Articles - Web Search

Understanding Network Processors - group of 10 »
N Shah - Master's thesis, University of California, Berkeley, Sep, 2001 - gigascale.org
Page 1. Understanding Network Processors By Niraj Shah niraj@eecs.berkeley.edu VERSION
1.0 4 SEPTEMBER 2001 Page 2. Understanding Network Processors ...
Cited by 88 - Related Articles - Web Search

Current research in computer networks: a personal view
C Whitby-Strevens - ACM SIGCOMM Computer Communication Review, 1976 - portal.acm.org
... to cope with correction from errors, eg request to **retransmit**. ... This can lead to problems
of queue **overflow**. ... **Retransmission** usually does not cost very much. ...
Related Articles - Web Search

Wormhole Routing Techniques for Directly Connected Multicomputer Systems - group of 8 »
P MOHAPATRA - ACM Computing Surveys, 1998 - portal.acm.org
... remain idle; (b) virtual channels provide an additional **buffer**, allowing packet ... **Crossbar**:
Crossbar switches enable the switching of router inputs to out- puts. ...
Cited by 31 - Related Articles - Web Search - BL Direct

[BOOK] Nordic Transputer Applications: Proceedings of the 1 st and 2 nd Nordic Transputer Seminars
L Annell, M Törgren - 1991 - books.google.com
... of the processor network, ie controlling the settings of the **crossbar** switches
•monitoring ... control system by writing a stream of bytes to the FIFO **buffer**. ...
Cited by 1 - Related Articles - Web Search - Library Search

Fair ATM charging with consideration of traffic characteristics andQoS parameters
G Carle, T Schmidt, J Seitz - Charging for ATM (Digest No: 1996/222), IEE Colloquium on, 1996 -
ieeexplore.ieee.org
... Cost for **retransmission** may be set to zero, or ... Attached to the central **crossbar** of
the GAPPU, the ... and errors caused by end-systems (**buffer overflow** etc.), by ...
Related Articles - Web Search

Early experiments with asynchronous time division networks - group of 2 »
AG Fraser - Network, IEEE, 1993 - ieeexplore.ieee.org
... The protocolwould prevent **buffer overflow** at the destination and in the
switch. The problem was solved by window flow con- trol. ...
Cited by 12 - Related Articles - Web Search - BL Direct

Communications switching—From operators to photonics - group of 3 »
SD Personick, WO Fleckenstein - Proceedings of the IEEE, 1987 - ieeexplore.ieee.org
... occupancy, and when the trunks they contain are all busy, calls **overflow** to an ... In

the late 1930s and the 1940s **Crossbar** systems were developed which separated ...
Cited by 5 - Related Articles - Web Search

[BOOK] Network-Based Parallel Computing
B Falsafi, M Lauria - 2000 - books.google.com
Page 1. Lecture Notes in Computer Science Babak Falsafi Mario Lauria (Eds.)
Network-Based Parallel Computing Communication,Architecture, and Applications ...
Related Articles - Web Search - Library Search

[PS] Real Time Performance Guarantees on Switched Networks - group of 2 »
S Varadarajan - 1997 - ecsl.cs.sunysb.edu
... the same packet to reduce end-to-end packet **retransmission**. ... organized in the classic
double **buffer** scheme ... **Crossbar** networks can be considered an extreme case of ...
Cited by 2 - Related Articles - View as HTML - Web Search

A general theory for deadlock-free adaptive routing using a mixedset of resources - group
of 4 »
J Duato, TM Pinkston - Parallel and Distributed Systems, IEEE Transactions on, 2001 - ieeexplore.ieee.org
... are required in order to avoid queue **overflow** during the ... consists of an internal
switch (**crossbar**), a routing ... an injection queue and delivery **buffer**, and one ...
Cited by 19 - Related Articles - Web Search - BL Direct

[BOOK] Gigabit Networking - group of 4 »
C Partridge - 1994 - books.google.com
... 90 5.3 The Canonical Cell Switch 90 5.4 Buffering Strategies 92 5.5 **Crossbar** Switches
100 5.6 Batcher-Banyan Switches 110 5.7 Input Buffering Revisited 123 ...
Cited by 392 - Related Articles - Web Search - Library Search

Scaling Issues in the Design and Implementation of the Tenet RCAP2 Signaling Protocol -
group of 8 »
W Heffner - INTERNATIONAL COMPUTER SCIENCE INSTITUTE-PUBLICATIONS-TR, 1995 -
icsi.berkeley.edu
... implement any ack or nak based schemes of **retransmission**. ... jitter, and maximum packet
losses due to **buffer overflow**. ... link servers, or in a **crossbar** there may be ...
Cited by 2 - Related Articles - View as HTML - Web Search - BL Direct

[BOOK] Parallel Computer Routing and Communication: First International Workshop, Pcrcw '
94, Seattle, ...
K Bolding - 1994 - books.google.com
... (Step 1) (to support **retransmission** if required ... observe from the 3 Some systems may
include **buffer** management into this protocol to provide **overflow** safety ...
Related Articles - Web Search

The migration of digital avionics data buses to low cost opticalavionics data networks (the
LOADNET ... - group of 2 »
HCH Eyoh, R Blue, RD Gardner, I Andonovic - Aerospace Conference, 2001, IEEE Proceedings., 2001 -
ieeexplore.ieee.org
Page 1. The Migration of Digital Avionics Data Buses to Low Cost Optical
Avionics Data Networks (The LOADNET Project) Henry CH Eyoh ...
Web Search

[BOOK] Parallel System Interconnections and Communications
MD Grammatilkakis, DF Hsu, M Kraetzl - 2001 - books.google.com
... rate for 16 x 16 switch . 89 2.18 Markov chain for a 2 x 2 DAFC switch (**buffer** size
4) . 91 xi Page 11. iv ... 93 3.1 A 4 x 4 **crossbar** with 16 crosspoints 95 ...
Cited by 9 - Related Articles - Web Search - Library Search

[PS] FM-QOS: A QUALITY OF SERVICE MESSAGING SUBSTRATE FOR
ASYNCHRONOUS LOCAL-AREA NETWORKS WITH HARDWARE- ... - group of 2 »
KH CONNELLY - 1999 - www-csag.ucsd.edu
... 23 Figure 3.11: Cyclic communication schedule of

period 4 for a 4-node **crossbar**..... 23 ...

A case study of C. mmp, Cm, and C. vmp: Part I—Experiences with fault tolerance in multiprocessor ... - group of 2 »

DP Siewiorek, V Kini, H Mashburn, S McConnel, M ... - Proceedings of the IEEE, 1978 - ieeexplore.ieee.org
... no impor- tance outside of the switch, preserving the symmetrical design of the
crosspoint. ... tween a fixed **overflow** limit and a variable underflow limit. ...

The IEEE1355 Standard: Developments, Performance and Application in High Energy Physics - group of 4 »

S Haas - 1998 - atlas.web.cern.ch
... to a reconfigurable switching fabric constructed from 32-way **crossbar** switches ... which
simplifies the higher layer protocols, since the **retransmission** of packets ...

[BOOK] The Connection Machine - group of 6 »

WD Hillis - 1989 - books.google.com
Page 1. The Connection Machine Th isOne PCUL-XHF-BP8Y Page 2. ACM Distinguished
Dissertations 1982 Abstraction Mechanisms and Language ...

RSFQ technology: Circuits and systems - group of 2 »

DK Brock - Int. J. High Speed Electron. Syst, 2001 - hypres.com
... 6-bit Flash analog-to- digital converter (ADC) 3 ENOB a at 20 GHz 6-bit Transient
digitizer with 6×32 bit on-chip memory **buffer** 16 GS/s ...

[BOOK] Parle 89: Proceedings of the 1 st Conference

E Odjik, M Rem, JC Syre - 1989 - books.google.com
Page 1. Lecture Notes in Computer Science Edited by G. Goos and J. Hartmanis 365
E. Odijk M. Rem JC Syre (Eds.) PARLE '89 Parallel Architectures ...

Design and implementation of a multicast, imput-buffered ATM switch for the iPOINT testbed - group of 2 »

JW Lockwood - 1996 - arl.wustl.edu
... 12 2.3.2 **Crosspoint** queueing : : : : : 12 ... of a single ATM cellcauses
the **retransmission** of an entire message ... **Overflow**! ...

EtheReal: A Fault Tolerant Host-Transparent Mechanism for Bandwidth Guarantees over Switched ... - group of 3 »

S VARADARAJAN - 2000 - ecsl.cs.sunysb.edu
... Variable bit rate traffic from the application enters a fixed size bit **buffer**. Data
leaves the **buffer** at the constant rate negotiated with the network. ...

[PS] Cost Effective Fault Tolerance for Network Routing - group of 6 »

W Yost - 1995 - wotug.ukc.ac.uk
... and output frames, the **crossbar** and the multiqueue. Each input and output frame
and mul- tiqueue slot is a fifo **buffer** capable of holding one full fixed-size ...

A Multi-Channel Network Architecture Based on Fast Circuit Switching - group of 5 »

P Lindgren - Doctor of Technology Dissertation, Department of ..., 1996 - cnaf.infn.it
... The host interface has been designed to provide a flexible **buffer** management using
conditional interrupts, allowing cacheable shared memories and support of ...

CSE NDTechnical Report Serial No. TR-01-4 - group of 6 »
LV Yerosheva - 2001 - 129.215.96.3
... model.....50 Figure 7.3 **Buffer** relationship and data
flow for single node HTMT.....51 Figure ...
Related Articles - View as HTML - Web Search

Synchronized MIMD Computing - group of 11 »
BC Kuszmaul - 1994 - lcs.mit.edu
Page 1. Synchronized MIMD Computing by Bradley C. Kuszmaul SB mathematics ,
Massachusetts Institute of Technology 1984 SB computer ...
Cited by 21 - Related Articles - View as HTML - Web Search - Library Search

SEVER INSTITUTE OF TECHNOLOGY - group of 9 »
M Saint Louis - 2001 - arl.wustl.edu
... architecture). • Protected DMA and Protected I/O, which are novel techniques
that allow **buffer** manage- ... lation lookaside **buffer** (TLB). ...
Related Articles - View as HTML - Web Search

CURRICULUM VITAE - group of 183 »
DOF BIRTH - EDUCATION, 1956 - site.uottawa.ca
Page 1. 1 CURRICULUM VITAE November 1st, 2004 NAME: Hussein T. Mouftah DATE OF BIRTH:
January 4, 1947 MARITAL STATUS: Married, 3 Children CITIZENSHIP: Canadian ...
View as HTML - Web Search

Did you mean to search for: overflow retransmit ***buffered*** crossbar OR crosspoint

> overflow retransmit buffer crossbar [Search]

Google Home - About Google - About Google Scholar

Google Scholar BETA

overflow crossbar OR crosspoint "re-transmit" — 2001   [Search]

◉ Search only in Engineering, Computer Science, and Mathematics.

○ Search in all subject areas.

Scholar

Results **1** - **4** of **4** for <u>overflow</u> <u>crossbar</u> OR crosspoint "<u>re-transmit</u>". (0.07 seconds)

Did you mean: <u>overflow crossbar OR crosspoint "*retransmit*"</u>
Tip: Try removing quotes from your search to get more results.

[PS] <u>A Modular VLSI Implementation Architecture for Communication Subsystems</u> - <u>group of 4 »</u>
T Braun, J Schiller, M Zitterbart - 4th IFIP Workshop on Protocols for High-Speed Networks, ..., 1994 - iam.unibe.ch
... realize the connecting compo- nent via a **crossbar** switch ... The sender has to **re- transmit**
the bytes indicated by ... if it failed due to memory **overflow** or violation ...
<u>Cited by 4</u> - <u>Related Articles</u> - <u>View as HTML</u> - <u>Web Search</u>

<u>SCI implementation study for LHCb Data Acquisition</u>
H Muller - report, LHCb-98-030, 1998 - hmuller.home.cern.ch
... discussion and simulation results of SCI switches is available as thesis (Ref 5).
New commercial SCI switches are based on internal **crossbar** link technology ...
<u>Cited by 2</u> - <u>Related Articles</u> - <u>View as HTML</u> - <u>Web Search</u>

<u>Scalable Coherent Interface</u> - <u>group of 2 »</u>
K Alnaes, EH Kristiansen, DB Gustavson, DV James - CompEuro'90. Proceedings of the 1990 IEEE International ..., 1990 -
ieeexplore.ieee.org
... complexities and costs, including full **crossbar** switches and ... will inform the sender
to **re-transmit** the packet. ... transmitted packet size to avoid fifo **overflow**. ...
<u>Cited by 3</u> - <u>Related Articles</u> - <u>Web Search</u>

<u>Performance Evaluat ion of Multimedia Satellite Communications Systems Using On-board Packet ...</u>
TH Bui - 1998 - collectionscanada.ca
... (b) shared-ring . . . . . A **crossbar**-based switch A Knockout switch . . . .
<u>Web Search</u>

Did you mean to search for: <u>overflow crossbar OR crosspoint "*retransmit*"</u>

overflow crossbar OR crosspoint "re [Search]

<u>Google Home</u> - <u>About Google</u> - <u>About Google Scholar</u>

©2006 Google